

ENGINEERING INSPECTOR I

Class Definition

Under supervision, inspects various types of construction projects involving municipal facilities and property.

Distinguishing Characteristics

Engineering Inspector I is the entry level class in the Engineering Inspector series. Incumbents perform construction inspection and surveying activities. This class differs from the class above, Engineering Inspector II, in that the latter is the advanced working level class in which incumbents complete assignments with a minimum of supervision.

Typical Tasks

(Any single position may not be assigned all duties listed, nor do the examples cover all duties which may be assigned.)

Inspects contract work performed by the various trades and crafts engaged in the construction of municipal facilities, including street and building construction, parking lots, bridges, culverts, miscellaneous structures, sanitary sewer systems, lift stations, storm drainage systems, water main systems, irrigation canals and pipelines, street lighting, and traffic signals.

Inspects and tests, or coordinates and reviews the tests of, construction materials such as asphalt, concrete, aggregates, soils, reinforcing steel, building materials, and various types of pipe.

Submits complete daily reports to a supervisor concerning all phases of activity on each job assignment.

Prepares cost estimates and checks contractor's progress on jobs; accounts for all contract bid items in preparation of payment to contractors.

Prepares engineering field changes during the progress of construction work.

Advises and confers with members of the general public who call concerning problems resulting from construction projects.

May perform construction surveys.

Performs related duties as required.

Knowledge, Abilities, and Skills

Working knowledge of the principles and practices of engineering and installation of street lighting and traffic signals.

Knowledge of types of soils, testing, general street and building construction, trenching and trench safety, water system installation, sewer and storm drain system installations, design of concrete mix, placing, finishing, and reinforced concrete construction.

Knowledge of construction plans and specifications and the regulations relating to public utility construction.

Ability to read engineering plans and specifications, to work from general, oral, and written instructions, and to prepare accurate and legible reports, progress estimates, and as-built drawings.

Ability to establish and maintain harmonious working relationships with fellow employees, contractors, officials, and the general public.

Minimum Qualifications

Education and experience equivalent to graduation from high school; and completion of 24 units of college level course work in engineering, drafting, surveying and/or inspection, or two years of journey level experience in one of the construction trades and crafts.

NOTE: An Engineering Inspector I, after one year of experience, and upon recommendation of the appointing authority, may be promoted to Engineering Inspector II upon successful completion of a non-competitive qualifying exam.

Necessary Special Requirement

Valid California Class III Driver's License.

APPROVED: _____

Director of Personnel

DATE: _____